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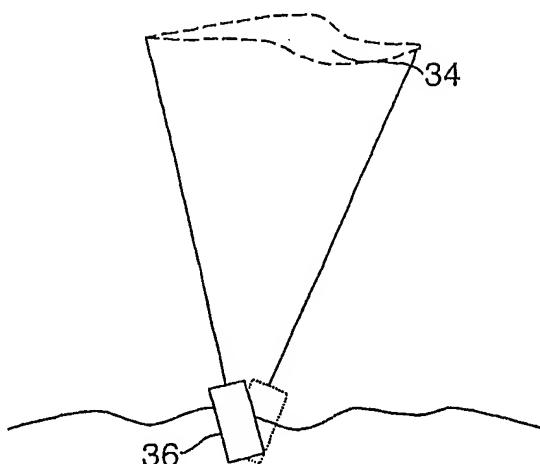
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(54) Title: WIND SPEED MEASUREMENT APPARATUS AND METHOD

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(57) Abstract: A buoyant platform apparatus (36), such as a buoy, is described that comprises a laser radar (lidar) wind speed measurement (20) device. The lidar (22) is arranged to make wind velocity measurements at one or more remote probe volumes of known position relative to said platform (36). The wind speed measurement apparatus may further comprise motion sensing means (26) that, in use, monitor motion of the platform (36) allowing wind speed at an absolute position in space to be measured. Wind velocity data may also be compensated for platform movement.